Context Based Adaptive Image Resampling

ABSTRACT OF THE DISCLOSURE

[0054]   A resampling process uses a predictive model to capture the spatial correlation among pixels in an input image, thus enabling adaptation of resampling schemes to the specific contents of the signal and noise contained in the image. The process combines automatic adjustment of a set of tap weights and formation of the inner product of a set of tap inputs and the corresponding set of tap weights to produce an output resized image.